



SAFETY DATA SHEET

Cellulose Thinners

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME Cellulose Thinners
PRODUCT NO. CETHGEN, CETH005, CETH025, CETH2.5, CETH205
APPLICATION Thinners for cellulose paints and primers. Removal of excess paint.
SUPPLIER Barrettine
 Barrettine Works
 St Ivel Way
 Warmley
 Bristol
 BS30 8TY
 0117 960 0060
 0117 935 2437
 sales@barrettine.co.uk
EMERGENCY TELEPHONE 0870 190 6777

2 HAZARDS IDENTIFICATION

Flammable.
 Harmful by inhalation and in contact with skin.
 Irritating to eyes and skin.
 Limited evidence of a carcinogenic effect.
CLASSIFICATION (1999/45) Xn;R20/21. Carc. Cat. 3;R40. Xi;R36/38. R10.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
XYLENE	215-535-7	1330-20-7	60-95%	R10 Xn;R20/21 Xi;R38
butyl glycol	203-905-0	111-76-2	10-30%	Xn;R20/21/22 Xi;R36/38
DICHLOROMETHANE	200-838-9	75-09-2	5-10%	Carc. Cat. 3;R40

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

DO NOT INDUCE VOMITING! Remove victim immediately from source of exposure. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately!

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Check for contact lenses which must be removed from the eyes before rinsing.
 Promptly rinse eyes with plenty of clean water while lifting the eyelids.
 Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.
 Get medical attention if any discomfort or irritation persists.

5 FIRE-FIGHTING MEASURES

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EXTINGUISHING MEDIA

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS

Vapours may form explosive mixture with air at room temperature. Vapours are heavier than air and may spread near ground to sources of ignition. Vapours are heavier than air and may travel considerable distance to source of ignition and flash back. If heated, volume and pressure increases strongly, resulting in explosion of container.

SPECIFIC HAZARDS

Products of decomposition / combustion include: Carbon monoxide (CO). Carbon dioxide (CO2). Phosgene (COCl2). Hydrogen chloride (HCl).

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing (see Section 8). Keep unnecessary people at a safe distance.

ENVIRONMENTAL PRECAUTIONS

Cover all drains and sewers. Avoid spreading spilt material.

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Use explosion proof electric equipment.

STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
butyl glycol	WEL	25 ppm	123 mg/m3	50 ppm	246 mg/m3	Sk
DICHLOROMETHANE	WEL	100 ppm(Sk)	350 mg/m3(Sk)	300 ppm(Sk)	1060 mg/m3(Sk)	
XYLENE	WEL	50 ppm	220 mg/m3	100 ppm	441 mg/m3	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P3). If ventilation is insufficient suitable respiratory protection must be provided.

Seek recommendations and advice from equipment manufacturer or supplier.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Use approved safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

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HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Colourless liquid
ODOUR	Xylene.
SOLUBILITY	Partially soluble in water. Soluble in: Acetone Miscible with: alcohol Chloroform Ether.
BOILING POINT (°C)	138 - 142 760 mm Hg
RELATIVE DENSITY	0.85 - .0.90 20°C
FLASH POINT (°C)	25 - 30°C CC (Closed cup).

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal conditions of storage and use. See section 7.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

MATERIALS TO AVOID

Avoid contact with oxidisers or reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

In conditions of fire or excessive heat gives off toxic fumes and gases, including oxides of carbon and nitrogen and various hydrocarbon fragments.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 4300 mg/kg (oral rat)

INHALATION

Exposure to solvent vapours may cause irritation of the throat, respiratory system and mucous membranes and have adverse effects on the kidneys, liver and central nervous system.

Symptoms can include headache, dizziness, drowsiness, fatigue, and muscular weakness, In extreme cases resulting in loss of consciousness.

The patient should be kept under observation for at least 48 hours as symptoms may occur well after exposure.

INGESTION

Harmful if swallowed accidentally. Can cause severe irritation of mucous membranes and the respiratory tract.

SKIN CONTACT

Can cause de-fatting and dryness of skin, leading to cracking and eczema. Unlikely to cause harm on brief or occasional contact, but prolonged or repeated exposure may lead to dermatitis.

EYE CONTACT

May cause severe irritation to eyes.

HEALTH WARNINGS

INHALATION. May cause irritation to the respiratory system. Solvent vapours are hazardous and may cause nausea, sickness and headaches. SKIN CONTACT. Irritating to skin. Product has a defatting effect on skin. EYE CONTACT.

Irritating to eyes. INGESTION. May cause discomfort.

OTHER HEALTH EFFECTS

Dichloromethane (methylene chloride) is classified Carcinogen Category 3 (substance of concern) and listed on the IARC consolidated carcinogen list in group 2B (limited evidence).

ROUTE OF ENTRY

Inhalation. Skin absorption. Skin and/or eye contact. Ingestion.

SPECIFIC EFFECTS

Inhalation, skin absorption and ingestion may have effects on the central nervous system, kidneys and liver.

12 ECOLOGICAL INFORMATION

LC 50, 96 Hrs, FISH mg/l 2.6 - 8.4

MOBILITY

The product contains substances, which are insoluble in water and which may spread on water surfaces. In soils this product has only slight mobility. Contamination will evaporate from the surface of water and soils.

13 DISPOSAL CONSIDERATIONS

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GENERAL INFORMATION

Empty containers may contain residual flammable vapours and product residue. Keep away from sparks, heat and sources of ignition. Labels should not be removed. Do not dispose to landfill or in water courses.

DISPOSAL METHODS

Product is classified as hazardous waste. Disposal of waste material and empty containers must be by means of a licensed waste contractor.

14 TRANSPORT INFORMATION



UK ROAD CLASS	3
PROPER SHIPPING NAME	Flammable Liquid, NOS (Contains xylenes, Dichloromethane)
UN NO. ROAD	1993
UK ROAD PACK GR.	III
ADR CLASS NO.	3
ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III
HAZARD No. (ADR)	30
ADR LABEL NO.	3
HAZCHEM CODE	3Y
CEFIC TEC(R) NO.	30GF1-III
MARINE POLLUTANT	No.

15 REGULATORY INFORMATION

LABELLING



Harmful

CONTAINS

XYLENE
DICHLOROMETHANE

RISK PHRASES

R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R36/38 Irritating to eyes and skin.
R40 Limited evidence of a carcinogenic effect.

SAFETY PHRASES

S2 Keep out of the reach of children.
S13 Keep away from food, drink and animal feeding stuffs.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37 Wear suitable protective clothing and gloves.
S46 If swallowed, seek medical advice immediately and show this container or label.
S51 Use only in well-ventilated areas.
S56 Dispose of this material and its container to hazardous or special waste collection point.
S60 This material and its container must be disposed of as hazardous waste.

EU DIRECTIVES

EC Regulation 1907/2006 (as amended) : 'REACH'.
Dangerous Substances Directive 67/548/EEC.

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Dangerous Preparations Directive 1999/45/EC.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).

Control of Substances Hazardous to Health Regulations (as amended). (COSHH)

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

APPROVED CODE OF PRACTICE

The Control of Substances Hazardous to Health Regulations 2002 (as amended). Approved code of practice and guidance.

Fifth Edition 2005. HSE Books, or download at: <http://www.hse.gov.uk/pubns/priced/l5.pdf>

GUIDANCE NOTES

Introduction to Local Exhaust Ventilation HS(G)37.

Maintenance, examination and testing of local exhaust ventilation HSG154 (HSE 1998).

16 OTHER INFORMATION

GENERAL INFORMATION

As with all chemicals care should be exercised in the handling and storage of this product.

REVISION COMMENTS

GHS information added.

REVISION DATE 13-Oct-10 - Rev 04: 0135

REV. NO./REPL. SDS 04 - replaces version 3 dated 18-Mar-08

GENERATED

RISK PHRASES IN FULL

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.